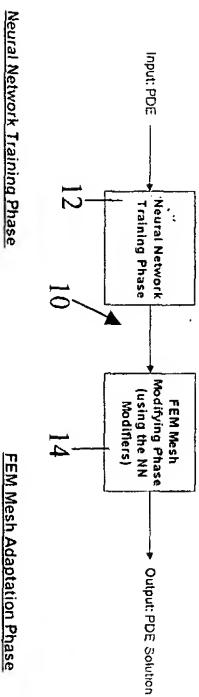


## Neural Network Time Series Forecasting of Finite-Element Mesh Adaptation

Fig. 1



Neural Network Training Phase

FEM Mesh Adaptation Phase

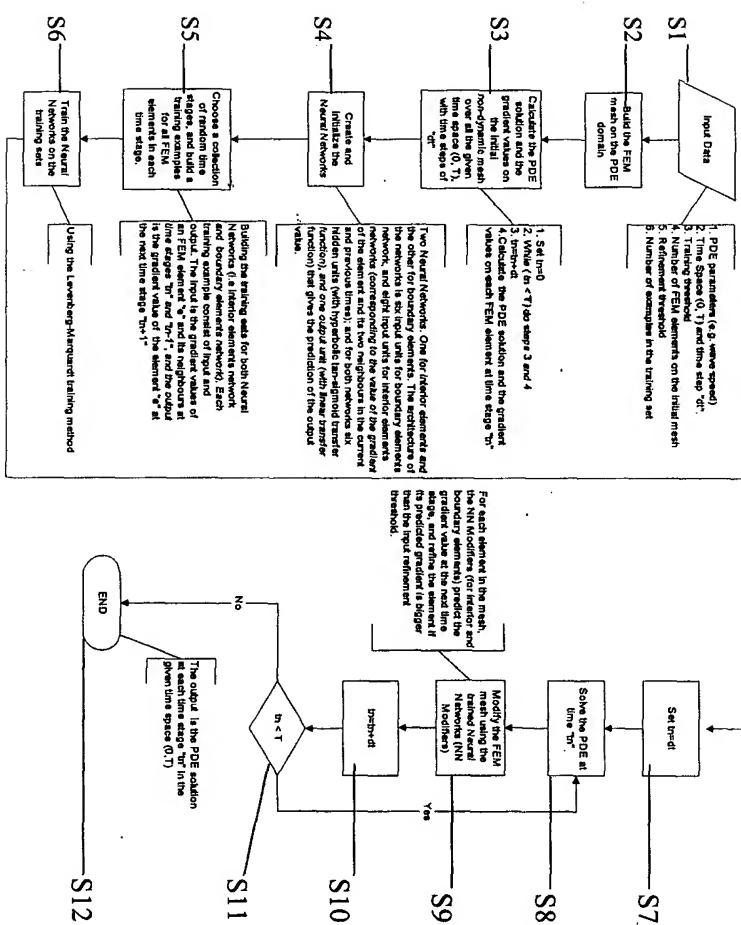


Fig. 4

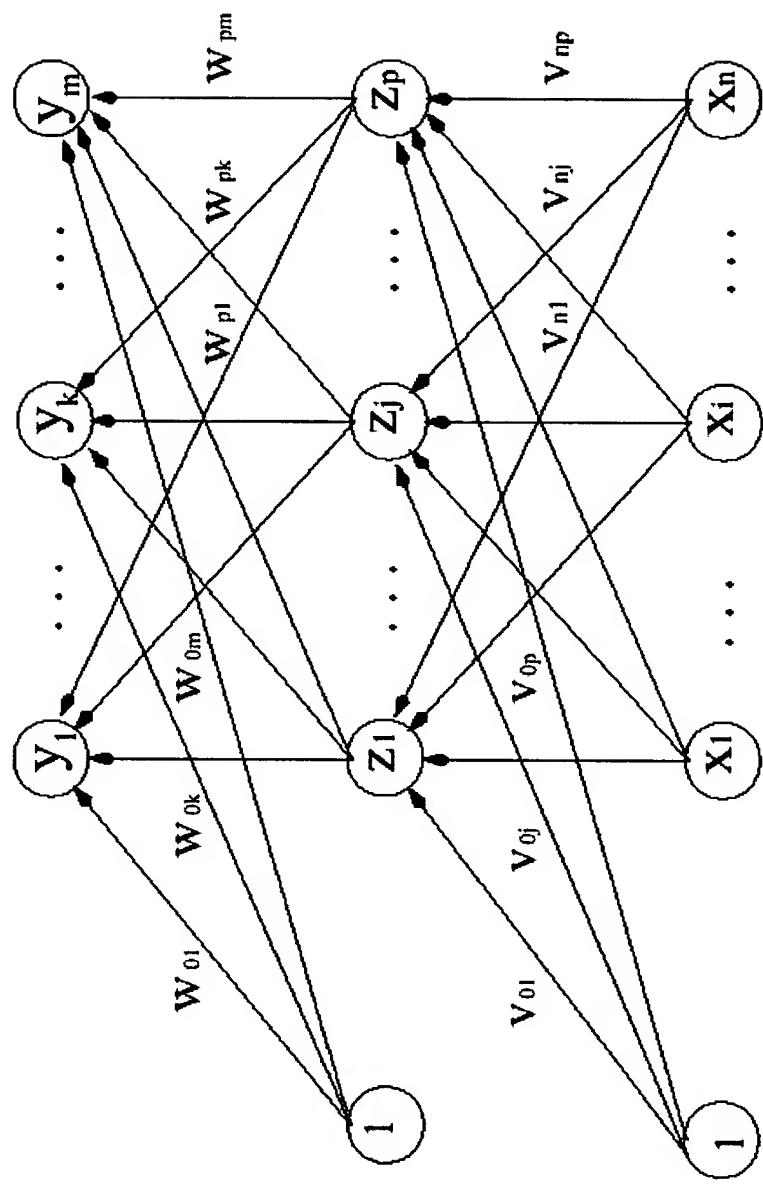
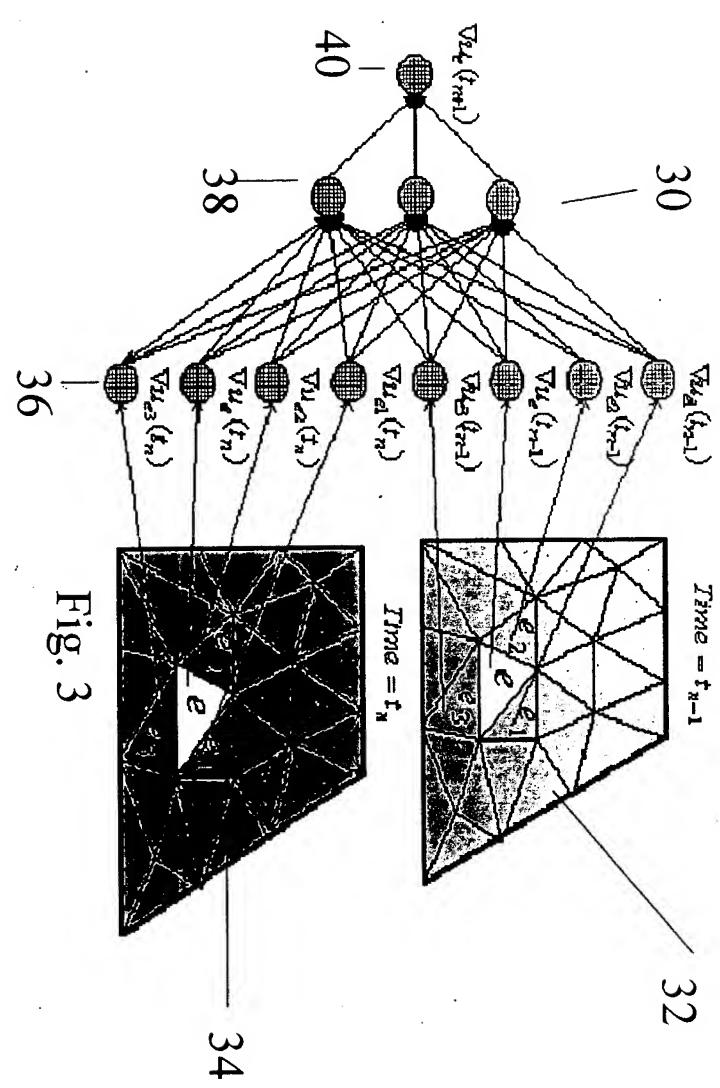


Fig. 2



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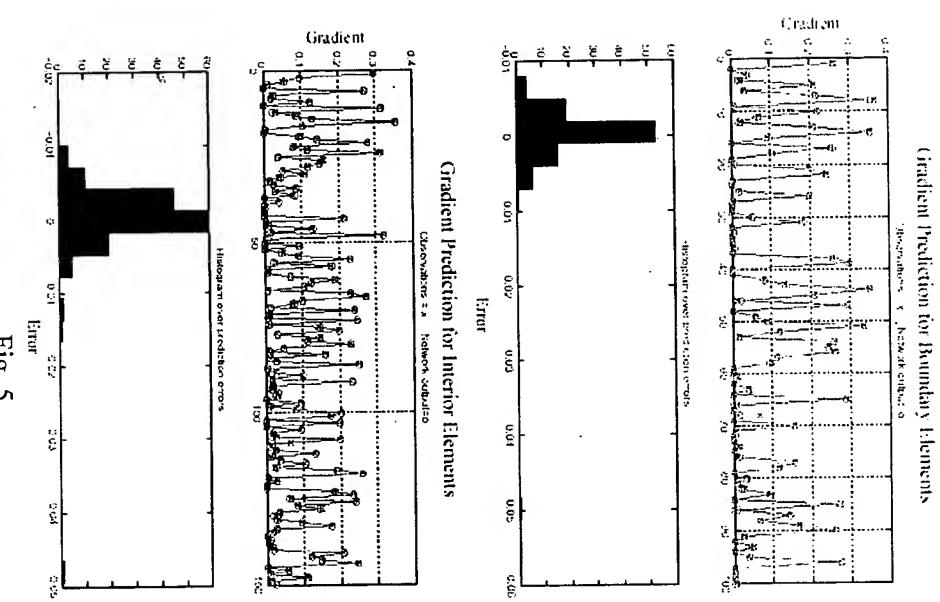


Fig. 5

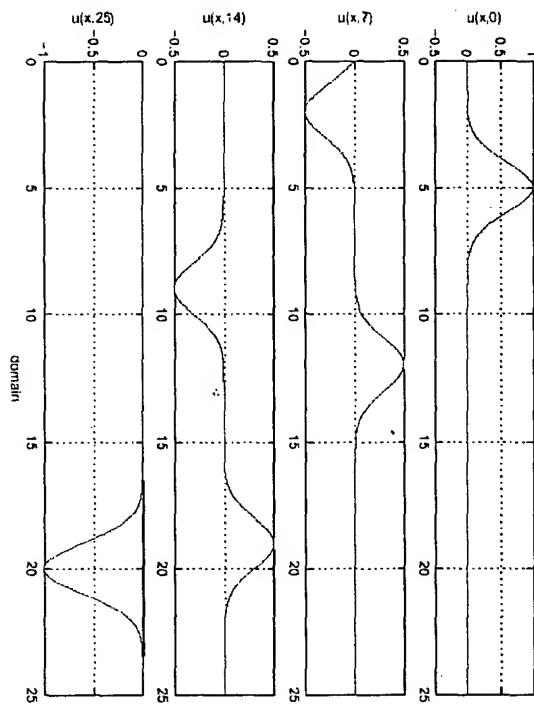
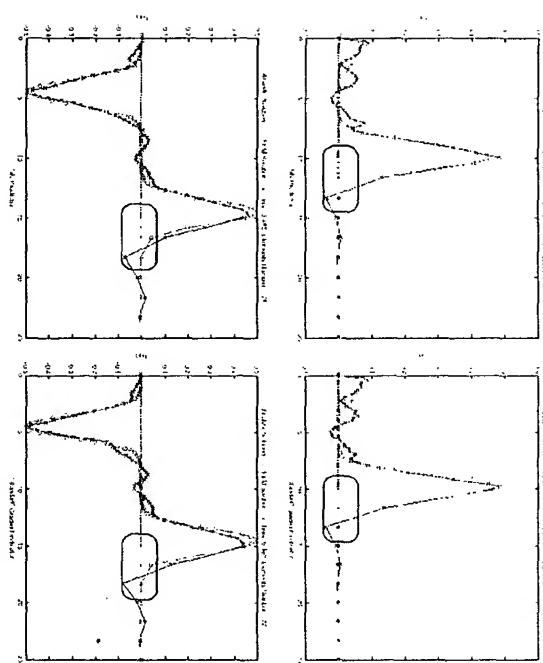


Fig. 6

Fig. 7



Neural Network Predictor  
"Standard" Gradient Indicator

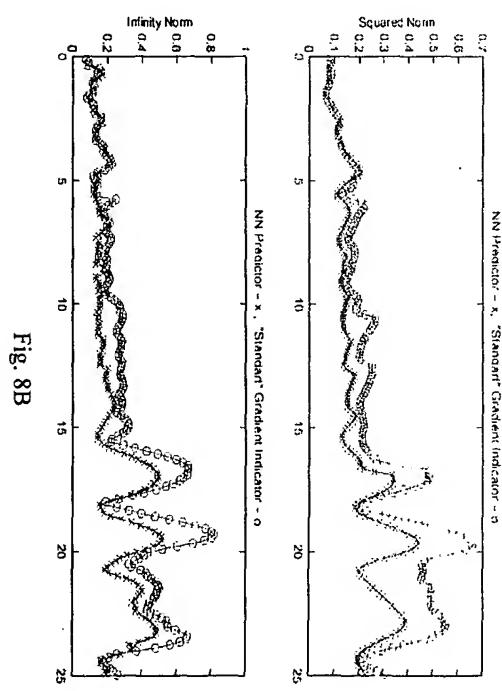


Fig. 8A

Fig. 8B

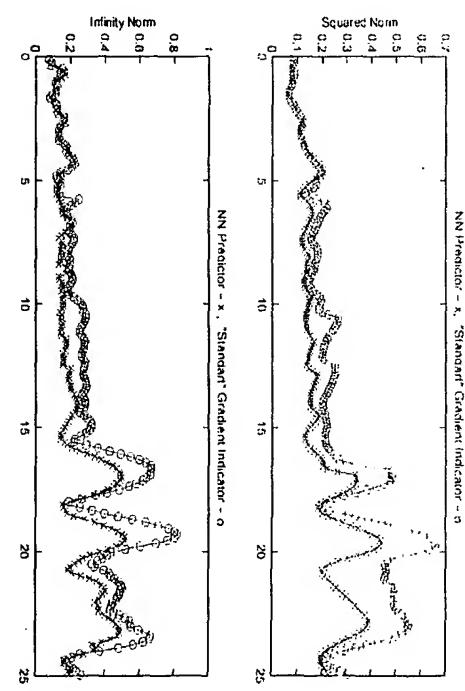
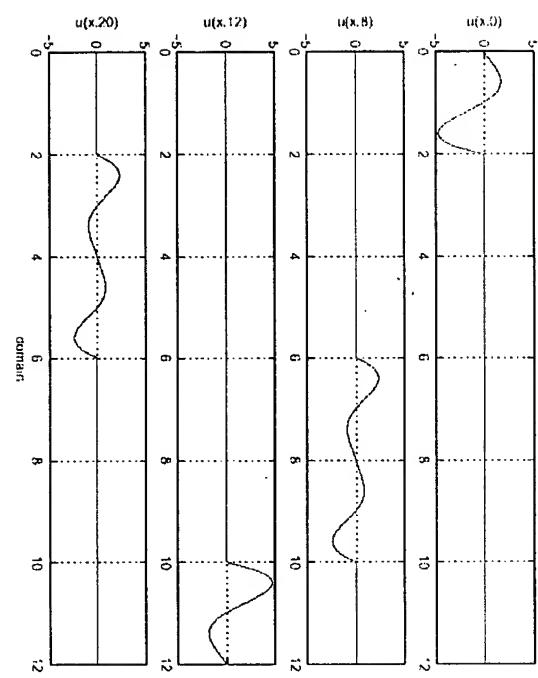


Fig. 9



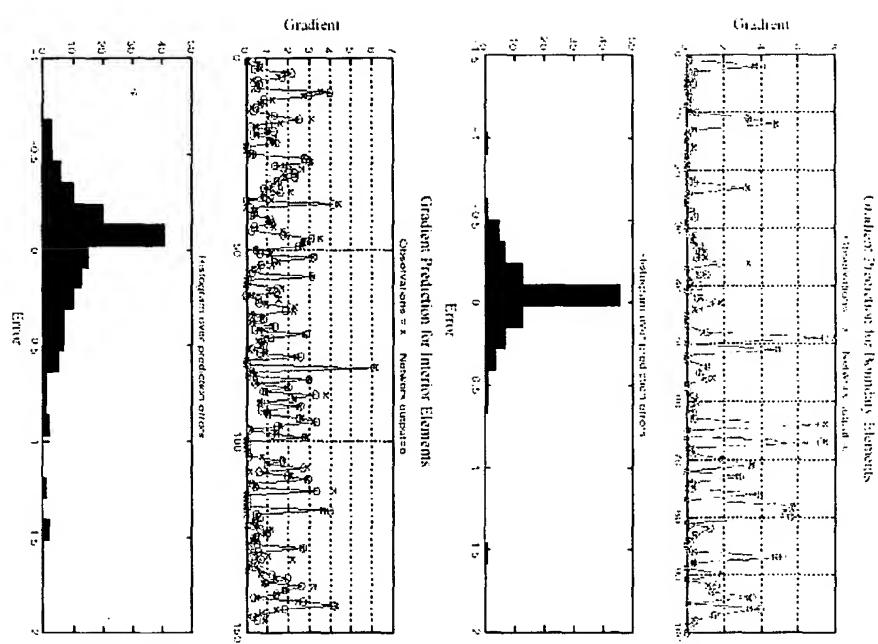


Fig. 10A

Fig. 10B

Fig. 11

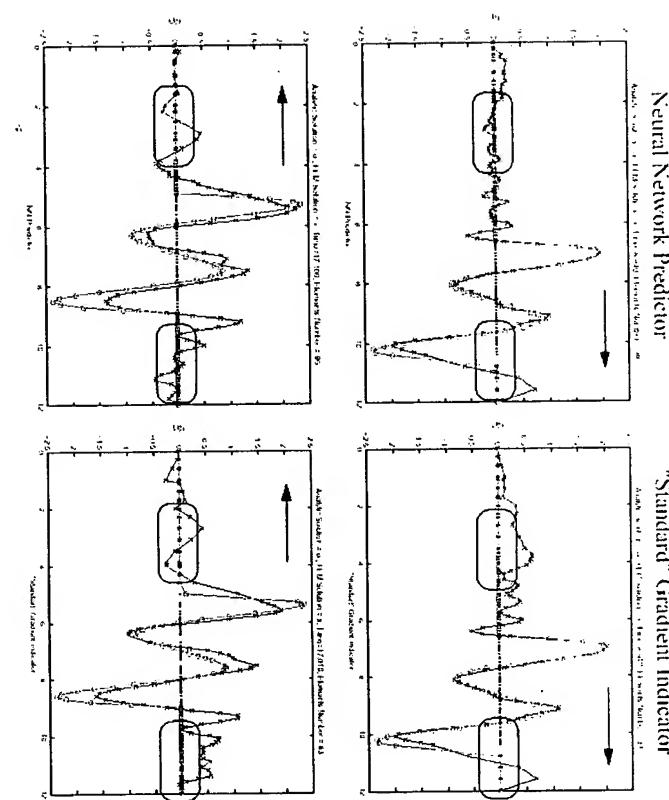


Fig. 12A

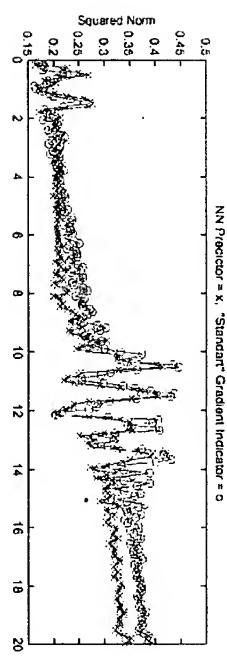
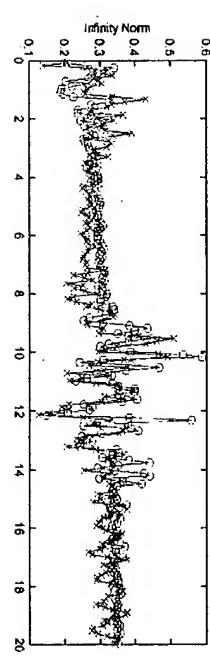


Fig. 12B



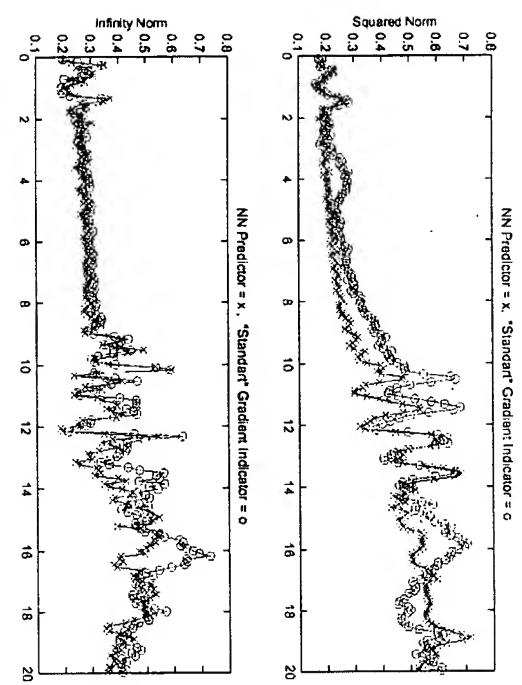


Fig. 13A

Fig. 13B

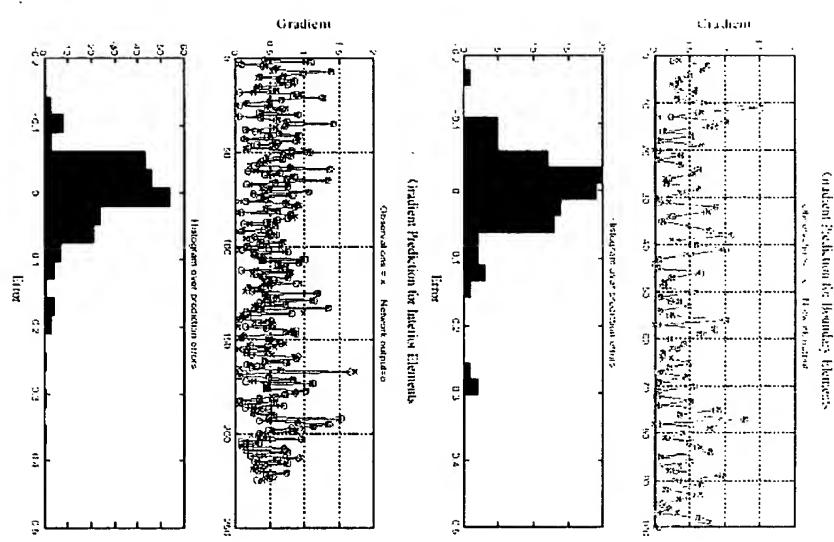


Fig. 14

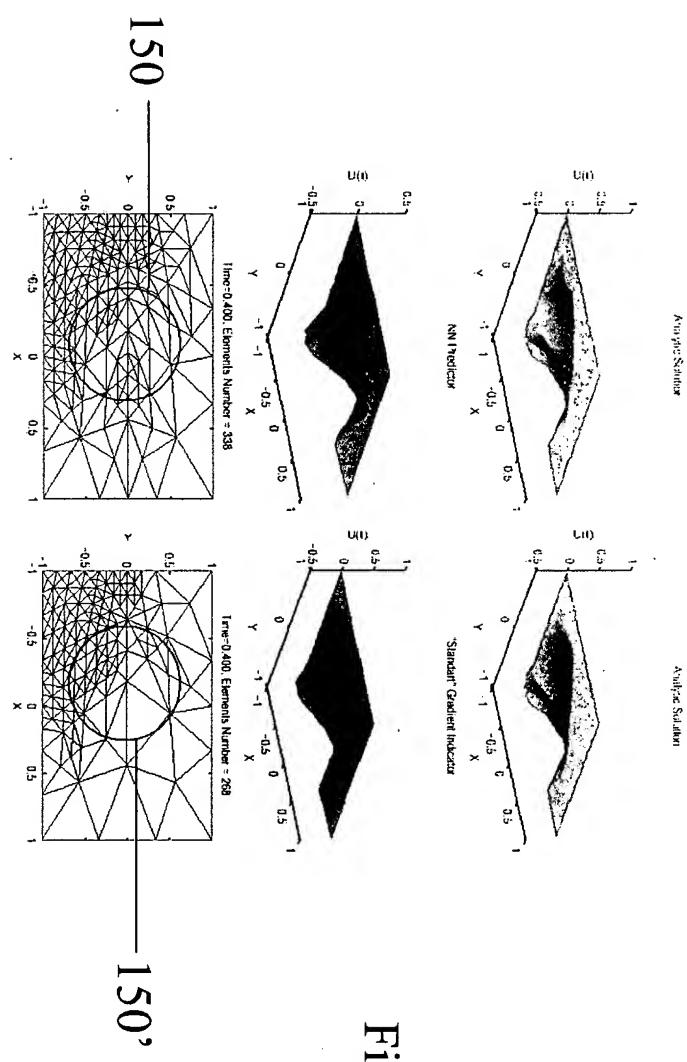


Fig. 15

